

AMENDMENTS TO THE CLAIMS

1. - 26. **(Cancelled)**

27. **(Previously Presented)** An isolated and purified MANF2 polypeptide comprising the entire amino acid sequence of SEQ ID NO:2.

28. **(Previously Presented)** An isolated and purified MANF2 polypeptide consisting of amino acids 27-187 of the amino acid sequence of SEQ ID NO:2

29. **(Previously Presented)** A method of expressing a full length MANF2 polypeptide comprising amino acids 1-187 of SEQ ID NO:2, said method comprising:

culturing a host cell comprising a polynucleotide encoding said full length MANF2 polypeptide operably associated with a promoter sequence such that the nucleic acid sequence encoding said polypeptide is expressed.

30. **(Currently Amended)** A method of producing a mature MANF2 polypeptide consisting of amino acids 27-187 of SEQ ID NO:2, said method comprising:

culturing a host cell comprising a polynucleotide encoding SEQ ID NO:2 operably associated with a promoter sequence such that a polypeptide comprising SEQ ID NO:2 is expressed and cleaved by a signal peptidase between amino acids at position 26 and 27 cleaving amino acids 1-26 of said expressed protein to obtain said mature MANF2 polypeptide; and

isolating said mature polypeptide from said host cell or from a growth medium in which said host cell is cultured.